Q. P. Code: 35404

Time: 3 hours

	N.B.: 1. All questions are compulsory 2. Figures to the right indicates full marks 3. Draw neat and labelled diagram wherever necessary	Marks 70
Q1.	A) Answer the following	12
i.	Define "Cardiac Output"	
ii.	What are the causes of arrhythmia?	
iii.	What is net filtration pressure?	
iv.	Enlist various fluid compartments in the body? Define process of deglutition?	
v. vi.	Define composition and functions of gastric juice?	
	B) Fill in the Blanks	3
i. ii.	The is the heart's natural pacemaker.	\$ ⁷
11. 111.	The main function of loop of Henle is to	
111.	The vini and the interovini increase	
Q2.	A) Answer ANY TWO of the following	8
i.	Draw a neat and labelled diagram of section of testis.	
ii.	Write a note on process of oogenesis.	
iii.	Enlist male and female hormones and discuss their functions.	
Q2.	B) Answer ANY ONE of the following	3
i.	Write a note on male infertility.	
i. ii.	Discuss pathophysiology of Dysmenorrhea.	
Q3.	A) Answer ANY TWO of the following	8
i. <	Draw a neat and labelled diagram showing internal anatomy of heart.	
ii.	Discuss conduction system of the heart.	
iii.	Write a note on regulation of blood pressure.	
Q3.	B) Answer ANY ONE of the following	3
l. ii.	What is angina pectoris? Discuss its pathophysiology Write a note on congestive heart failure.	
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Q4.	A) Answer ANY TWO of the following	8
	Draw neat and labelled diagram showing internal structure of kidney.	
iis	Discuss structure and function of the nephron.	
iii.	Discuss mechanism of water balance in the body.	
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Q4.	B) Answer ANY ONE of the following	3
i. ii.	Write a note on digestion of carbohydrates. Discuss structure and functions of large intestine.	
Q5.	A) Answer ANY TWO of the following	8
i. ii. iii.	Discuss anatomy and physiology of stomach. Write a note on digestion of lipids across the G. I. tract. Discuss anatomy and functions of pancreas.	
Q5.	B) Answer ANY ONE of the following	3
i. ii.	Write a note on Ulcerative colitis. Discuss pathophysiology of Jaundice.	9
Q6.	A) Answer ANY TWO of the following	8
i. ii. iii.	Discuss pathophysiology of Atherosclerosis. Write a note on anatomy of arteries. Describe the process of defecation.	
Q6.	B) Answer ANY ONE of the following	3
i. ii	Write a note on coronary circulation. Discuss functioning of atrioventricular valves	
